

TEST REPORT

Applicant: RHT INDUSTRIES LIMITED
UNIT 208-209 WIRELESS CTR
NO 3 SCIENCE PARK EAST AVENUE
HONG KONG SCIENCE PARK
PAK SHEK KOK SHATIN NT
HK
Attn: CATHY JIM

Number: HKGH02581529

Date: May 04, 2020

Submitted sample said to be :
Item Name : **NCCO-IG Medical Grade Invisible Gloves.**
Item No. : **GL-01429.**
Quantity : 2 Bottle.

Conclusion:
The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) Antibacterial Activity of Chemical Disinfectants and Antiseptics BS EN 1276:2009	Satisfactory

For and on behalf of :
Intertek Testing Services HK Ltd.



Cindy I.K. Chan
Vice President



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(1) Quantitative suspension test for evaluation of bactericidal activity of chemical disinfectants and antiseptics

Test Standard : BS EN 1276:2009.

Dilution recommended for use: No dilution

Product test concentration: 80% (w/w)

Active ingredient in product: Ethoxydiglycol and caprylyl glycol

Appearance: Translucent viscous liquid

Contact time: 1 minute (for hand disinfection)

Test temperature: 20°C

Interfering substance: 3.0 g/L bovine albumin (dirty condition)

Inhibition method: Dilution-neutralization

Neutralizing solution: D/E neutralizing broth – double strength (sodium thioglycollate 2.0 g/L, sodium thiosulfate 12.0 g/L, sodium bisulfite 5.0 g/L, Polysorbate 80 10.0 g/L, lecithin 14.0 g/L)

Incubation: 37°C, 48 hours

Agar medium: Trypticase Soy Agar

Test culture: *Escherichia coli* (ATCC 10536)
Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)
Enterococcus hirae (ATCC 10541)



TEST REPORT

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Controls & validation :

<u>Test microorganism</u>	<u>Validation suspension</u> (N _v) Criteria: 300 ≤ N_v ≤ 1600	<u>Method validation</u> Criteria: ≥ 0.05 N_v	<u>Validity</u>
<i>Escherichia coli</i> (ATCC 10536)	655	55	Valid
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	955	60	Valid
<i>Staphylococcus aureus</i> (ATCC 6538)	645	58	Valid
<i>Enterococcus hirae</i> (ATCC 10541)	750	62	Valid

Result :

<u>Test microorganism</u>	<u>Initial suspension</u> (N) No = (1/10N) Criteria: 1.5x10⁸ ≤ N ≤ 5x10⁸	<u>Final count</u> (Na)	<u>R (Log₁₀ Reduction)</u> = Log No - Log Na Criteria: R ≥ 5.0	<u>% Reduction</u> Criteria: R ≥ 99.999	<u>Assessment</u>
<i>Escherichia coli</i> (ATCC 10536)	3.2 x 10 ⁸	<140	>5.3	>99.999	Satisfactory
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	4.6 x 10 ⁸	<140	>5.5	>99.999	Satisfactory
<i>Staphylococcus aureus</i> (ATCC 6538)	2.8 x 10 ⁸	<140	>5.3	>99.999	Satisfactory
<i>Enterococcus hirae</i> (ATCC 10541)	2.6 x 10 ⁸	<140	>5.2	>99.999	Satisfactory

Criteria: According to EN 1276, in order to satisfy the requirement of bactericidal efficacy of chemical disinfectants and antiseptics, the product shall demonstrate at least 5.0 log₁₀ reduction of the specified test organisms under the obligatory sample contact time, test temperature, and the simulated dirty conditions according to its practical applications when the product is tested at its intended use dilution.

Sample received condition: Sample in closed plastic bottle.

Date sample received : Apr 20, 2020
 Testing period : Apr 22, 2020 to Apr 29, 2020



TEST REPORT

Number : HKGH02581529



End of report

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